View product details on medias

26.12.2024, 06:25:30 UTC

SCHAEFFLER



FAG

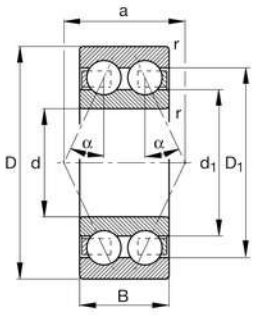
3309-BD-XL-TVH

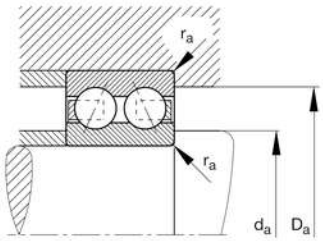
Angular contact ball bearing

Angular contact ball bearing 33..-BD-XL-TVH, double row, X-life, plastic cage

X-life

Technical information





Your current product variant

Design variant	B	Bearing without filling slot
Sealing	Without	Not sealed
Cage	TVH	Solid cage made of glass-fiber reinforced polyamid PA66
Tolerance class	P6	Class6 (P6), better than PN
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°
Lubricant	Without	Bearing not greased
Axial internal clearance	CN	Group N (CN)

n.r.

	D	Design variant
≈m	1.31 kg	Weight

The datasheet is only an overview of dimensions and basic load ratings of the selected product. Please always observe all further information and guidelines for this product.For further information you can use the contact form on our website

Main Dimensions & Performance Data

d	45 mm	Bore diameter
D	100 mm	Outside diameter
B	39.7 mm	Width
C_r	72,000 N	Basic dynamic load rating, radial
C_{0r}	54,000 N	Basic static load rating, radial
C_{ur}	3,700 N	Fatigue load limit, radial
n_G	7,300 1/min	Limiting speed
$n_{\vartheta r}$	6,700 1/min	Reference speed

Mounting dimensions

$d_{a\ min}$	54 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	91 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	1.5 mm	Maximum fillet radius

Dimensions

r_{min}	1.5 mm	Minimum chamfer dimension
D_1	84.39 mm	Shoulder diameter outer ring
d_1	65.45 mm	Shoulder diameter inner ring
a	57.8 mm	Distance between the apexes of the pressure cones
α	30 °	Contact angle

Temperature range

T_{min}	-30 °C	Operating temperature min.
T_{max}	120 °C	Operating temperature max.

The datasheet is only an overview of dimensions and basic load ratings of the selected product. Please always observe all further information and guidelines for this product.For further information you can use the contact form on our website

Characteristics



Radial load



Axial load in one direction



Axial load in two directions


Grease Lubrication


Oil Lubrication


Not sealed

The datasheet is only an overview of dimensions and basic load ratings of the selected product. Please always observe all further information and guidelines for this product.For further information you can use the contact form on our website